#7

SEQUENCE LISTING

<110> Tononi, Giulio
     Cirelli, Chiara
     Shaw, Paul J.
     Greenspan, Ralph J.

<120> Vigilance Nucleic Acids and Related
   Diagnostic, Screening and Therapeutic Methods

<130> P-NI 4447

<140> US 09/733,607
<141> 2000-12-08

<150> US 09/456,785
<151> 1999-12-08

<160> 27

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 317
<212> DNA
<213> Drosophila

<400> 1
catcccagtt acgcacagct aggagagata agttaacaga ttggatttgc gtcgatcgga 60
ttgaatctgc ctaactgctg tcttgcaggg ctgtaggctt cggtccaaaa ttaagtctac 120
agtctctgcg attccgggca gttgaaatga tgcaagatga gaggctcagt ccataacact 180
taacgctttg tgcaccgtac aatttagtac ccgacattcc ttgagagcta gacggcacca 240
gacgtcccaa cttaccaaat atatctttta tgctctatct atatgtatgt cgcatatcta 300
gtttatgcta gttgtag 317

<210> 2
<211> 356
<212> DNA
<213> Drosophila

<400> 2
accttctaac ctcatacaca cacacgggat cctttcttat aggggggcctg ctttcaaaac 60
tatttctgcg gactcctgta attcatcctg tcgtctgctt tccattatta cacgttctca 120
acgctcacaa gattgcttca aaccgatctg tctctatccc gcatctgcct gccccggtat 180
cgttttgata tgtgaatgcc ttacacgatc cacgcttttg aaagabccsc ccagtccaac 240
ccgaatcccg ccacggccct tttttccacc aatctcgcaa gatgccttgc tcgtttttgta 300
aatagctttt yygaagacgr aagatcaaga caaatcaaat caaatcgatc caattt 356

<210> 3
<211> 393
<212> DNA

<213> Drosophila

<400> 3
```
gcccttcgtg aattcgcttt ctacccgcgt tgacattctc cgctggagct ggtattaaag 60
tgctaatggg catcgacttt gctggcgtcg tgatgggctg gaagttcttc gatcacgcag 120
cscatttggg cggcgcatgt ttggcatctt ttgggccacg tatggggcac agatatgggc 180
aaagcgcatt ggtctactga attactacca tgacctgcgc cggacgaagc agaaatagta 240
caggaggctt ggggattcgc caagtgaacg gacggggagc tgaggcaata gagcggtcrr 300
ggtagcacta cgctgtgtca ataagagtga catcgttctg ccttagaagt tcattgaaat 360
cagttaagtt gaataaatcg ttgacatcct gat                                393
```

<210> 4
<211> 505
<212> DNA
<213> Drosophila

<400> 4
```
gcccttcgga attcggtttt tttttttttcc ctcatgctcc cgactaaaaa gttcttttaa 60
gttaagtaag gcaccacgac ttatattagc aacaactgtt gtttcttggt ttttctcaca 120
attagaaaga aattgaaatg gaaactcatt tagatcatag gcttcttcct tattgacacg 180
atactcttct ttcgttttat ctattatctc ctctaaatac tcttttacat caacactatc 240
atcaattaaa ctagcaatct tcccattttt tacaataaag ttagtatgag gaggatccaa 300
agcataatca tttaagttaa accaataaag caatgcttta aacaactttt cttcttcctt 360
ttccttagta acttgctgtt tttttaggtt cctcattaga aacctcagga tttaagaatg 420
ttgaatcatc ccatgctata ggagaagaaa tcsatgatga tctactccaa gatagctgkg 480
attgatcmtc agtggattga ctgaa                                        505
```

<210> 5
<211> 169
<212> DNA
<213> Drosophila

<400> 5
```
gcccttctga ctcactgagc ctccgcccct accaaccca ggtgttcctc agcctcgtaa 60
ctggcccagc ttccaggata cggacctctg agtccggttt cgataccccc acaaccacaa 120
tcacgatcac gaagaagact ccggcgaaga taagcccaag gacaagtct              169
```

<210> 6
<211> 291
<212> DNA
<213> Drosophila

<400> 6
```
tgccggatgt taacataggr gttagtctaa aggtctgcga gagcatcgac aaggagctta 60
gatcatccta caatcagcag aggcagcagc aacgcaaggv agccaaamvg gagcagcagg 120
tgacgcgggc agaaacgtac gattccatta gacgtttttgg acgcgcccat caaaaagcca 180
ggcaaagggg aataccaggm aagggaaaga gaacgtgaaa aagaggcgtc agcggctctt 240
caggaaacgg acaaggaaag ggraammccc ccccccsaa ttccggaggg c            291
```

<210> 7
<211> 267
<212> DNA
<213> Drosophila

<400> 7
gttagcctac ggatatgtaa agcggtcaag agaaacagac aaatgttata tgtataagcg 60
aataatgtgg tcccaattcc tgcgatatat gcgaatatat cggggaatcg gactgtattg 120
tattgatgag atatagaaga aagagagaga gagaggagcc agggagctgc gggtcgtgcg 180
gaggaggaga ataggtcgat gaggaatggg aacggcagaa gagcaagaga taaaccacga 240
aatcatacgg aaaccactag agagcag 267

<210> 8
<211> 225
<212> DNA
<213> rattus

<400> 8
gttctttttt ttccggagct ggggactgaa cccagggcct tgcgcttcct aggtaaggga 60
tctacctcgc agctaaatcc ccagccccca gctcactggt cttaaagggc tccaggagtc 120
attttatata caagggaact gaagcatgaa gggttagatc acctgctcag gctccctaca 180
gcttgtcagt gattagcaaa ttactctgtc aggtttcctc aagta 225

<210> 9
<211> 219
<212> DNA
<213> rattus

<400> 9
gctttggctt tttggcagta cagggtttct ctttgtagcc ctggatgtct tggaactcac 60
gttgtagaac aggctggcct tggcactcag aaatccatca gcctttgcct cacaccactt 120
tgcaactgtc atctcttaaa tgcaaattat attatttgct gaaatttaaa atattgtttt 180
gtgactacat tatgtggtgc tttgtatatg cttgcccca 219

<210> 10
<211> 213
<212> DNA
<213> rattus

<400> 10
ttttccagtg ggagttataa ctcagcaatc tctttgtata ggagtgataa aaacaatcaa 60
atgttgtcaa gctagaacaa tgtacacaag aatttaattt gatgtcccat gaggggtatg 120
ttttctctat gctcaaccct tagaggcaat cagggtaaat taccaaatta ccaaattata 180
cgaaaagcca ggctagataa agattatatt ttc 213

<210> 11
<211> 205
<212> DNA
<213> rattus

<400> 11
tagctactta aagttaaaaa tcactctaat atttgtatca tagaaactca aaaaaaaaaa 60
gaaaatcaca gaaacataat caaatgggag aaggcaggag agaatggtct caacagattt 120
aagttggctg ttgggactga ggaggagagg acctgatgaa aagaccatgc tctggggaca 180
gggatacctt agattctctg tctac 205

<210> 12

<211> 154
<212> DNA
<213> rattus

<400> 12
aagttcagtt atacttttaa atggtttgtt cgtgaatctt ctcttatgtt cttcttaaga 60
aaattgcgaa gttcatacga gttagacatt aagaaaataa taagaatatt gaggacgtgt 120
gttataggaa tgtaattttc caagcaacca gtac   154

<210> 13
<211> 167
<212> DNA
<213> rattus

<400> 13
ctgaaaggtt gagttgatta gagaaaaaaa ataattaaga ccaaagtgct gtgtttgggt 60
ttccatttgg aactgtgaat cttggcaaag accaccctaa ctttgacttg ctacccaggc 120
actcaccttc tgtccttcta tctcttgtct tcaccttcag ctcaaga   167

<210> 14
<211> 244
<212> DNA
<213> rattus

<400> 14
cggagctggg gaccgaaccc agggccttgc gcttcctagg caggcactct accactgagc 60
taaatcccca acccctcaat gttttgaaaa acggtaaat accttgtgct ttaagaataa 120
acaggctaga gcgatggctc aggggataag gcctgtatat aagccatgct cacacgtcac 180
agtgaataca tagctcaaat gactaaactg agtctaaatt actaaaggga agcagcattt 240
gtgc   244

<210> 15
<211> 263
<212> DNA
<213> rattus

<400> 15
catgttcttt tctacttggt tcaaaatacg gcagtaatct tgctgggcaa tgcagacaaa 60
ctggcagtca tccacctttg tcctcatgac tcctttcatg tactctttgt ccatggtggg 120
cgaaacacca aagctgtttc ccatgcacag tatttctgct ttcccatctg gatacgtcac 180
ctccaccgaa ccattgagaa tcactgacca ggaatccagc tcttctccat catttaacac 240
aatggttcca gctctttcca cca   263

<210> 16
<211> 121
<212> DNA
<213> rattus

<400> 16
tatatttatg gacatctaag taggttccat ttcctctctg ttgtaaataa tgcattcata 60
aatgcaaatg tagaaggtgt ccttgtagta ggtagttaag agccctctga atatacagcc 120
t   121

<210> 17
<211> 82
<212> DNA
<213> rattus

<400> 17
tgtggtactt catacaaaga atattagaaa agggtatgca aaaggaagac agttaagtgg 60
tagatggctg cccaagaaat gc   82

<210> 18
<211> 114
<212> DNA
<213> rattus

<400> 18
ttacgggctg tgagctctcg agttgcgacc gccttattca gtttacagct gggtagattt 60
ttaaggagtg agacccaaag taataaacct gtgattgtag catgcacaac tcag   114

<210> 19
<211> 138
<212> DNA
<213> rattus

<400> 19
gaataataga acttttttaca gccaaggaca ttgcatgtgt acgacgcatc cctgaagtgt 60
tgtgcttcat ggtggtaaag ctgacccaag tcactgaaca caatattgca gccattcaac 120
tcacatttgt aacggagg   138

<210> 20
<211> 221
<212> DNA
<213> rattus

<400> 20
cttctgcctt ctgactactg ggattaatga catgtgccac aaccccatc ttctaataat 60
gttttaaata cttaagatta aataaatagt acaggtgatt ttttttaaaaa aaatgtacaa 120
cagtcatcat gttttttaaac ctcctgaaaa ttactgtatt ctcatcatat attttgaaag 180
gagctttaat aacaaaaatt atcacataca tttctcagag a   221

<210> 21
<211> 219
<212> DNA
<213> rattus

<400> 21
agatttattt attatgtaga cagcgttcca cctgcatgta cacgtgcagg ccagaagagg 60
gcaccagatc tcattacaga tggttgtgag cccaccatgt ggttgctggg aattgaactc 120
atgacctctg gaagagcaat tagtgctctt aaccactgag ccatctctcc agccccacga 180
tgaggttctt aagagctgca accaagtggg ggacgataa   219

<210> 22
<211> 215
<212> DNA

<213> rattus

<400> 22
ctgtcagggc tcaggaaaca ctgtgaaaga ggaagtgaat aaatgtgaga gtcagaggtt 60
ggggtggaag gctatggaat gctgccttat agatacgaca tggctactgc agatgtgcat 120
tcacagtaac cacgattacc tacataatat caaggcagtc acattccagc atggataagg 180
gagaaggtca taagaagtat tgtcagtggg tagaa 215

<210> 23
<211> 106
<212> DNA
<213> rattus

<400> 23
aggaatgcat ctacactcta agtaaaattg attcgttcta atttccgtgt cagttactgc 60
tgtagtctgc tcctgcttag cgctatgatc cgaattcacg aagggc 106

<210> 24
<211> 154
<212> DNA
<213> rattus

<400> 24
cagcagttct ttccatcttc ttaattggcg ataattttct tcattaagta gaactattca 60
ttatgcagag taccattgtg gagatgcaaa tacagcccag gtattcggac agcaaagaca 120
aagtgttatt gtggtaaggc ctgagttatc aaaa 154

<210> 25
<211> 337
<212> DNA
<213> rattus

<400> 25
agactcaggt cataaatcaa agaacattgt gtacattgct tctttggatc tgagactggt 60
agtgtccctg ggctcctatg agggcatcat cagaagatga acaaggtgac tkttggggat 120
gctttctgga tggggaatga cttggctatg cctggscgca tgttgtgtgt kgaactgttt 180
cctcgsgttc cctcggtttc tctctttgta graagtgcta agktttgtac ctcaaagcat 240
actaggtcat gtctctatac tatattccta aagggtccac agctacccta atctaccctg 300
ttacctaaga tccacagaga gtctggaacc ttgttgt 337

<210> 26
<211> 160
<212> DNA
<213> rattus

<400> 26
tcattaaaat cacggrtttt gctattatgc cttattatgt caagagtttg ttagatgtta 60
catcagcatc tcaggtagt gacttgatta tattcatctc tgtattctct aagaacaata 120
agatgtctac ataaaaccag tattgaaagt acatactttt 160

<210> 27
<211> 186
<212> DNA

<213> rattus

<400> 27
aagatcgatg ctaccttggc agcaaagtaa gaccctgtgt gacagaagaa ggaagagaac 60
agaagggaaa gagaaaagga tggtgtccga gagacaggaa aagctaaact gtggttatgc 120
catttggggg acaggaccag gtgaagaaaa gggcactcca agttacatat atacaagctg 180
agaaaa   186